

Industrial Enzymes – A Global Market Overview

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Abstracts

REPORT SYNOPSIS

Demand for Industrial Enzymes used in Textiles & Leather applications is anticipated to decline drastically in 2020 compared to 2019, estimated at -8.2% Y-o-Y due to the decline in Chinese textile production, with volumes shifting away from China to countries with lower enzyme penetration. Demand for Industrial Enzymes in Biofuel applications is expected to contract sharply with a negative Y-o-Y rate of 7.3% due to sharp decline in gasoline demand and consequently a significant drop in the demand for ethanol.

Industrial enzymes demand in Household Care estimated to grow at faster 9% Y-o-Y in 2020 due to increased enzymatic penetration of detergents, mainly in emerging markets, and an unanticipated surge in sales driven by COVID-19-related effects. The overall Industrial Enzymes market, globally, expected to touch US\$6.1 billion in 2020.

Research Findings & Coverage

Industrial Enzymes global market is analyzed in this report with respect to key product types and major application segments

The study analyzes the market for industrial enzymes by product type and application segment in each major geographic region/country

Surging Household and Personal Care Products Demand amid Covid-19

Enzyme from Agricultural Waste used in Laundry Detergent

Innovative Approach to Produce Daily-Used Enzymes in Plants

Biological Enzyme, as a New Source of Hydrogen Fuel

Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments

Major companies profiled – 29

The industry guide includes the contact details for 172 companies

PRODUCT OUTLINE

The report analyzes the market for the following key product types of Industrial Enzymes:

Carbohydrases

Proteases

Lipases

Phytases

Polymerases & Nucleases

Others

The market for application segments of industrial enzymes analyzed in this study includes the following:

Food & Beverages

Biofuels

Household Care

Animal Feed

Personal Care & Cosmetics

Nutraceuticals

Textiles & Leather

Paper & Pulp

Waste Treatment

Analysis Period, Units and Growth Rates

The report reviews, analyzes and projects the global industrial enzymes market for the period 2017-2026 in terms of market value in US\$ and the compound annual growth rates (CAGRs) projected from 2019 through 2024 with a special focus on y-o-y growth for 2019-2020

Geographic Coverage

North America (The United States, Canada and Mexico)

Europe (Germany, France, The United Kingdom, Italy, Spain and Rest of Europe)

Asia-Pacific (Japan, China, India, South Korea and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Rest of World

Contents

PART A: GLOBAL MARKET PERSPECTIVE

1. INTRODUCTION

1.1 Product Outline

1.1.1 Enzymes

1.1.2 Industrial enzymes

1.1.3 Types of Industrial Enzymes

1.1.3.1 Carbohydrases

1.1.3.1.1 Amylases

1.1.3.1.2 Cellulases

1.1.3.2 Proteases

1.1.3.3 Lipases

1.1.3.4 Phytases

1.1.3.5 Polymerases & Nucleases

1.1.3.6 Others

1.1.3.6.1 Papain

1.1.3.6.2 Lactase

1.1.3.6.3 Glucose Oxidase

1.1.3.6.4 Catalase

1.2 Applications of Industrial Enzymes

1.2.1 Food & Beverages

1.2.1.1 Dairy Applications

1.2.1.2 Bakery Applications

1.2.1.3 Brewing Applications

1.2.2 Household Care

1.2.3 Animal Feed

1.2.4 Biofuels

1.2.5 Textiles & Leather

1.2.6 Personal Care & Cosmetics

1.2.7 Paper & Pulp

1.2.8 Nutraceuticals

1.2.9 Waste Treatment

2. KEY MARKET TRENDS

2.1 Surging Household and Personal Care Products Demand amid Covid-19

- 2.2 Enzyme from Agricultural Waste used in Laundry Detergent
- 2.3 Biological Enzyme, as a New Source of Hydrogen Fuel
- 2.4 Innovative Approach to Produce Daily-Used Enzymes in Plants
- 2.5 Researchers Engineer PETase, a Plastic-Eating Enzyme
- 2.6 Enzyme-Like Catalytic Nanomaterials for Biomedical Applications
- 2.7 Enzymes Engineered for Eating Plastics
- 2.8 Development of Industrial Biocatalysts Speeded Up by Evolution of Enzymes and Synthetic Microorganisms

3. KEY GLOBAL PLAYERS

- AB Enzymes GmbH (Germany)
- Advanced Enzyme Technologies Limited (India)
- Amano Enzyme Inc. (Japan)
- BASF Corporation (United States)
- Chr. Hansen Holding A/S (Denmark)
- Dupont De Nemours Inc. (United States)
- Novozymes A/S (Denmark)
- Royal DSM N.V. (The Netherlands)

4. KEY BUSINESS & PRODUCT TRENDS

- Hayashibara Establishes New Enzyme Facility in Japan
- Codexis, Inc and Alphazyme LLC Collaborate on Co-Marketing & Enzyme Supply Treaty
- DuPont Selects Essential Ingredients, Inc as Exclusive Distributor
- DuPont Launches Axta PHY GOLD Enzymes
- Novozymes A/S Unveils New Enzymes
- Biocatalysts Ltd Unveils Lipomod 767P Enzyme
- DuPont Launches AMYLEX 6T Enzyme
- DuPont Develops Bonlacta Dairy Enzyme
- Biocatalysts Ltd Develops Lipomod 888MDP Enzyme
- Chr. Hansen and MISTA Join Hands to Develop Fermented Plant-Based Solutions
- Biocatalysts Ltd Postpones its New Enzyme Production Facility
- DuPont Unveils Brewing Enzyme LAMINEX MaxFlow 4G in Australia
- Novozymes A/S Unveils Saphera Fiber, a New Lactase Enzyme
- FeedKind Protein Production Facility in Hong Kong
- DuPont Develops POWERBake 6000 and 7000 Enzyme Series
- ADISSEO Establish Research & Development Centre in Singapore

BRAIN Group Establishes New Enzymes Production Centers in the UK and Germany
Codexis in Partnership with Merck KGaA Publishes Enzyme Development
GPI and Novozymes A/S Partner on Protein Ingredients Portfolio
Novozymes Develops Enzymatic Toolbox for Oat Drinks
DuPont Showcases Danisco Nurica Enzyme
DuPont Unveils POWERPasta Enzymes
Genedata AG and AB Enzymes GmbH Collaborate to Digitalize Strain Development
AB Enzymes, Inc Selects Brenntag as its Distributor Partner
Novozymes A/S Establishes New Office in Kenya
Novozymes A/S Develops Novozymes Fiberlife Enzyme solution
Novozymes A/S Establish New Campus in Denmark
ADISSEO Promotes New Poultry Research Facility in Brazil
Chr. Hansen Unveils Sweet Y-1 Natural Sweetener
Codexis Enters an Agreement with Novartis AG to Develop Performance Enzymes
Chr. Hansen Unveils CHY-MAX Supreme Coagulant
Codexis Executes Enzyme Licensing and Supply Agreement with Tate & Lyle Plc
AB Enzymes GmbH Unveils ROHALASE SEPARATION Enzyme for Starch Processing
Amano Enzyme Start New Office in Thailand
Codexis Inks an Enzyme CDX-6114 Deal with NHS
Codexis Enters into Supply Agreement with KYORIN
AB Enzymes GmbH and Bode Collaborate on Central Warehousing and Distribution Service
AB Enzymes GmbH Unveils BIOTOUCH FLX1 Cellulase
Chr. Hansen Acquires Hundsbichler
Novozymes A/S and Royal DSM Develop New Feed Additive Balancius™
AB Enzymes GmbH Commence New Warehouse Center in China
Royal DSM Launches Benzoate-Free Accelerzyme Enzyme
Royal DSM Unveils BakeZyme AAA Baking Enzyme
Novus Expands Arkema's plant in Beaumont, Texas
DuPont, Archer Daniels Midland Open Bio-Plastic Pilot Plant in Illinois
Codexis and Porton Pharma Solutions Entered into a Strategic Collaboration Agreement
Royal DSM Develops Maxilact Smart Lactase Enzyme
Brain AG Acquires Majority Stake in Biocatalysts Ltd.
DuPont to Launch GENENCARE OSMS Pro at in-cosmetics Global
Dyadic International Announces R&D Collaboration with Mitsubishi Tanabe Pharma Corp
DSM Showcases Its Dairy Products at CFIA Rennes 2018
Novozymes Moves into Yeast Production for Ethanol Producers

AB Enzymes Opens New Center in North America
Dyadic International to Collaborate with Israel Institute for Biological Research (IIBR) To Combat Emerging Diseases & Threats
DuPont Industrial Biosciences to Enter into Materials Collaboration with Wools of New Zealand
Novozymes to Enter into a Collaboration Agreement with Grundfos to Solve Global Water Challenges
Biocatalysts Ltd and European Bioinformatics Institute (EMBL-EBI) Launches MetXtra, Software Platform for Data Analysis
Chr. Hansen Enters Into Distribution Partnership Agreement with Rheolution Inc.
Buckman to Enter Into a Strategic Alliance with Engro
DuPont Launches Solution SYNERXIA THRIVE Fermentation
Chr. Hansen Launches New FreshQ Cultures for Dairy Products
DuPont Industrial Biosciences Launches OPTIMASH Ad-300, a Biogas Enzyme
Biocatalysts Launches New Carbohydrate Modifying Enzyme Panel at FIE17
BASF Opens First Biocatalyzed Acrylamide Production Plant in China
Codexis Collaborated With Nestle Health Science to Develop PKU Enzyme in Protein Engineering Platform
DSM Launches Tolerase G Enzyme to Assist Residual Gluten Digestion

5. GLOBAL MARKET OVERVIEW

5.1 Global Industrial Enzymes Market Overview by Product Segment

5.1.1 Industrial Enzymes Product Segment Market Overview by Global Region

5.1.1.1 Carbohydrases

5.1.1.2 Proteases

5.1.1.3 Lipases

5.1.1.4 Phytases

5.1.1.5 Polymerases & Nucleases

5.1.1.6 Other Industrial Enzymes

5.2 Global Industrial Enzymes Market Overview by Application Segment

5.2.1 Industrial Enzymes Application Segment Market Overview by Global Region

5.2.1.1 Food & Beverages

5.2.1.2 Household Care

5.2.1.3 Animal Feed

5.2.1.4 Biofuels

5.2.1.5 Textiles & Leather

5.2.1.6 Personal Care & Cosmetics

5.2.1.7 Paper & Pulp

- 5.2.1.8 Nutraceuticals
- 5.2.1.9 Waste Treatment

PART B: REGIONAL MARKET PERSPECTIVE

REGIONAL MARKET OVERVIEW

6. NORTH AMERICA

- 6.1 North American Industrial Enzymes Market Overview by Geographic Region
- 6.2 North American Industrial Enzymes Market Overview by Product Segment
 - 6.2.1 Industrial Enzymes Product Segment Market Overview by North American Region
 - 6.2.1.1 Carbohydrases
 - 6.2.1.2 Proteases
 - 6.2.1.3 Lipases
 - 6.2.1.4 Phytases
 - 6.2.1.5 Polymerases & Nucleases
 - 6.2.1.6 Other Industrial Enzymes
 - 6.3 North American Industrial Enzymes Market Overview by Application Segment
 - 6.3.1 Industrial Enzymes Application Segment Market Overview by North American Region
 - 6.3.1.1 Food & Beverages
 - 6.3.1.2 Household Care
 - 6.3.1.3 Animal Feed
 - 6.3.1.4 Biofuels
 - 6.3.1.5 Textiles & Leather
 - 6.3.1.6 Personal Care & Cosmetics
 - 6.3.1.7 Paper & Pulp
 - 6.3.1.8 Nutraceuticals
 - 6.3.1.9 Waste Treatment
- 6.4 Major Market Players
 - BioResource International, Inc. (United States)
 - Buckman Laboratories International, Inc. (United States)
 - Cargill, Incorporated (United States)
 - Codexis, Inc. (United States)
 - Creative Enzymes (United States)
 - DowDuPont Inc. (United States)
 - Dyadic International, Inc. (United States)

ENMEX S.A. De C.V. (Mexico)

Iogen Corporation (Canada)

Kerry Inc. (United States)

Novus International, Inc. (United States)

Specialty Enzymes & Biotechnologies Co. (United States)

6.5 Country-wise Analysis of North American Industrial Enzymes Market

6.5.1 The United States

6.5.1.1 United States Industrial Enzymes Market Overview by Product Segment

6.5.1.2 United States Industrial Enzymes Market Overview by Application Segment

6.5.2 Canada

6.5.2.1 Canadian Industrial Enzymes Market Overview by Product Segment

6.5.2.2 Canadian Industrial Enzymes Market Overview by Application Segment

6.5.3 Mexico

6.5.3.1 Mexican Industrial Enzymes Market Overview by Product Segment

6.5.3.2 Mexican Industrial Enzymes Market Overview by Application Segment

7. EUROPE

7.1 European Industrial Enzymes Market Overview by Geographic Region

7.2 European Industrial Enzymes Market Overview by Product Segment

7.2.1 Industrial Enzymes Product Segment Market Overview by European Region

7.2.1.1 Carbohydrases

7.2.1.2 Proteases

7.2.1.3 Lipases

7.2.1.4 Phytases

7.2.1.5 Polymerases & Nucleases

7.2.1.6 Other Industrial Enzymes

7.3 European Industrial Enzymes Market Overview by Application Segment

7.3.1 Industrial Enzymes Application Segment Market Overview by European Region

7.3.1.1 Food & Beverages

7.3.1.2 Household Care

7.3.1.3 Animal Feed

7.3.1.4 Biofuels

7.3.1.5 Textiles & Leather

7.3.1.6 Personal Care & Cosmetics

7.3.1.7 Paper & Pulp

7.3.1.8 Nutraceuticals

7.3.1.9 Waste Treatment

7.4 Major Market Players

AB Enzymes GmbH (Germany)

Adisseo France SAS (France)

BASF SE (GERMANY)

Biocatalysts LTD. (United Kingdom)

Chr. Hansen Holding A/S (Denmark)

Kerry Group Plc (Ireland)

Novozymes A/S (Denmark)

Royal DSM N.V. (The Netherlands)

7.5 Country-wise Analysis of European Industrial Enzymes Market

7.5.1 Germany

7.5.1.1 German Industrial Enzymes Market Overview by Product Segment

7.5.1.2 German Industrial Enzymes Market Overview by Application Segment

7.5.2 France

7.5.2.1 French Industrial Enzymes Market Overview by Product Segment

7.5.2.2 French Industrial Enzymes Market Overview by Application Segment

7.5.3 The United Kingdom

7.5.3.1 United Kingdom Industrial Enzymes Market Overview by Product Segment

7.5.3.2 United Kingdom Industrial Enzymes Market Overview by Application Segment

7.5.4 Italy

7.5.4.1 Italian Industrial Enzymes Market Overview by Product Segment

7.5.4.2 Italian Industrial Enzymes Market Overview by Application Segment

7.5.5 Spain

7.5.5.1 Spanish Industrial Enzymes Market Overview by Product Segment

7.5.5.2 Spanish Industrial Enzymes Market Overview by Application Segment

7.5.6 Rest of Europe

7.5.6.1 Rest of Europe Industrial Enzymes Market Overview by Product Segment

7.5.6.2 Rest of Europe Industrial Enzymes Market Overview by Application Segment

8. ASIA-PACIFIC

8.1 Asia-Pacific Industrial Enzymes Market Overview by Geographic Region

8.2 Asia-Pacific Industrial Enzymes Market Overview by Product Segment

8.2.1 Industrial Enzymes Product Segment Market Overview by Asia-Pacific Region

8.2.1.1 Carbohydrases

8.2.1.2 Proteases

8.2.1.3 Lipases

8.2.1.4 Phytases

8.2.1.5 Polymerases & Nucleases

8.2.1.6 Other Industrial Enzymes

8.3 Asia-Pacific Industrial Enzymes Market Overview by Application Segment

8.3.1 Industrial Enzymes Application Segment Market Overview by Asia-Pacific Region

- 8.3.1.1 Food & Beverages
- 8.3.1.2 Household Care
- 8.3.1.3 Animal Feed
- 8.3.1.4 Biofuels
- 8.3.1.5 Textiles & Leather
- 8.3.1.6 Personal Care & Cosmetics
- 8.3.1.7 Paper & Pulp
- 8.3.1.8 Nutraceuticals
- 8.3.1.9 Waste Treatment

8.4 Major Market Players

- Advanced Enzyme Technologies Limited (India)
- Amano Enzyme Inc. (Japan)
- Aum Enzymes (India)
- Maps Enzymes Ltd (India)
- Nagase & Co., Ltd. (Japan)
- Nagase Chemtex Corporation (Japan)
- Hayashibara Co., Ltd. (Japan)
- Qingdao Vland Biotech Inc. (China)
- Sunson Industry Group (China)

8.5 Country-wise Analysis of Asia-Pacific Industrial Enzymes Market

8.5.1 Japan

- 8.5.1.1 Japanese Industrial Enzymes Market Overview by Product Segment
- 8.5.1.2 Japanese Industrial Enzymes Market Overview by Application Segment

8.5.2 China

- 8.5.2.1 Chinese Industrial Enzymes Market Overview by Product Segment
- 8.5.2.2 Chinese Industrial Enzymes Market Overview by Application Segment

8.5.3 India

- 8.5.3.1 Indian Industrial Enzymes Market Overview by Product Segment
- 8.5.3.2 Indian Industrial Enzymes Market Overview by Application Segment

8.5.4 South Korea

- 8.5.4.1 South Korean Industrial Enzymes Market Overview by Product Segment
- 8.5.4.2 South Korean Industrial Enzymes Market Overview by Application Segment

8.5.5 Rest of Asia-Pacific

- 8.5.5.1 Rest of Asia-Pacific Industrial Enzymes Market Overview by Product Segment
- 8.5.5.2 Rest of Asia-Pacific Industrial Enzymes Market Overview by Application

Segment

9. SOUTH AMERICA

9.1 South American Industrial Enzymes Market Overview by Geographic Region

9.2 South American Industrial Enzymes Market Overview by Product Segment

9.2.1 Industrial Enzymes Product Segment Market Overview by South American Region

9.2.1.1 Carbohydrases

9.2.1.2 Proteases

9.2.1.3 Lipases

9.2.1.4 Phytases

9.2.1.5 Polymerases & Nucleases

9.2.1.6 Other Industrial Enzymes

9.3 South American Industrial Enzymes Market Overview by Application Segment

9.3.1 Industrial Enzymes Application Segment Market Overview by South American Region

9.3.1.1 Food & Beverages

9.3.1.2 Household Care

9.3.1.3 Animal Feed

9.3.1.4 Biofuels

9.3.1.5 Textiles & Leather

9.3.1.6 Personal Care & Cosmetics

9.3.1.7 Paper & Pulp

9.3.1.8 Nutraceuticals

9.3.1.9 Waste Treatment

9.4 Country-wise Analysis of South American Industrial Enzymes Market

9.4.1 Brazil

9.4.1.1 Brazilian Industrial Enzymes Market Overview by Product Segment

9.4.1.2 Brazilian Industrial Enzymes Market Overview by Application Segment

9.4.2 Argentina

9.4.2.1 Argentinean Industrial Enzymes Market Overview by Product Segment

9.4.2.2 Argentinean Industrial Enzymes Market Overview by Application Segment

9.4.3 Rest of South America

9.4.3.1 Rest of South America Industrial Enzymes Market Overview by Product Segment

9.4.3.2 Rest of South America Industrial Enzymes Market Overview by Application Segment

10. REST OF WORLD

- 10.1 Rest of World Industrial Enzymes Market Overview by Product Segment
- 10.2 Rest of World Industrial Enzymes Market Overview by Application Segment

PART C: GUIDE TO THE INDUSTRY

1. NORTH AMERICA

2. EUROPE

3. ASIA-PACIFIC

4. REST OF WORLD

PART D: ANNEXURE

1. RESEARCH METHODOLOGY

2. FEEDBACK

CHARTS & GRAPHS

PART A: GLOBAL MARKET PERSPECTIVE

Chart 1: Global Industrial Enzymes Market (2019, 2020 & 2026) by Geographic Region

Chart 2: Global Industrial Enzymes Market (2019, 2020 & 2026) by Product Segment

Chart 3: Global Industrial Enzymes Market (2019, 2020 & 2026) by Application

Chart 4: Global Industrial Enzymes Market Analysis (2017-2026) in USD Million

Chart 5: Global Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 6: Glance at 2017, 2019 and 2026 Global Industrial Enzymes Market Share (%) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 7: Global Carbohydrases Market Analysis (2017-2026) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million

Chart 8: Glance at 2017, 2019 and 2026 Global Carbohydrases Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 9: Global Proteases Market Analysis (2017-2026) by Geographic Region – North

America, Europe, Asia-Pacific, South America and Rest of World in USD Million

Chart 10: Glance at 2017, 2019 and 2026 Global Proteases Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 11: Global Lipases Market Analysis (2017-2026) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million

Chart 12: Glance at 2017, 2019 and 2026 Global Lipases Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 13: Global Phytases Market Analysis (2017-2026) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million

Chart 14: Glance at 2017, 2019 and 2026 Global Phytases Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 15: Global Polymerases & Nucleases Market Analysis (2017-2026) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million

Chart 16: Glance at 2017, 2019 and 2026 Global Polymerases & Nucleases Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 17: Global Other Industrial Enzymes Market Analysis (2017-2026) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million

Chart 18: Glance at 2017, 2019 and 2026 Global Other Industrial Enzymes Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 19: Global Industrial Enzymes Market Analysis (2017-2026) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 20: Glance at 2017, 2019 and 2026 Global Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

Chart 21: Global Industrial Enzymes Market Analysis (2017-2026) in Food & Beverages by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million

Chart 22: Glance at 2017, 2019 and 2026 Global Industrial Enzymes Market Share (%) in Food & Beverages by Geographic Region – North America, Europe, Asia-Pacific,

South America and Rest of World

Chart 23: Global Industrial Enzymes Market Analysis (2017-2026) in Household Care by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million

Chart 24: Glance at 2017, 2019 and 2026 Global Industrial Enzymes Market Share (%) in Household Care by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 25: Global Industrial Enzymes Market Analysis (2017-2026) in Animal Feed by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million

Chart 26: Glance at 2017, 2019 and 2026 Global Industrial Enzymes Market Share (%) in Animal Feed by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 27: Global Industrial Enzymes Market Analysis (2017-2026) in Biofuels by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million

Chart 28: Glance at 2017, 2019 and 2026 Global Industrial Enzymes Market Share (%) in Biofuels by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 29: Global Industrial Enzymes Market Analysis (2017-2026) in Textiles & Leather by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million

Chart 30: Glance at 2017, 2019 and 2026 Global Industrial Enzymes Market Share (%) in Textiles & Leather by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 31: Global Industrial Enzymes Market Analysis (2017-2026) in Personal Care & Cosmetics Market Analysis (2017-2026) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million

Chart 32: Glance at 2017, 2019 and 2026 Global Industrial Enzymes Market Share (%) in Personal Care & Cosmetics by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 33: Global Industrial Enzymes Market Analysis (2017-2026) in Paper & Pulp Market Analysis (2017-2026) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million

Chart 34: Glance at 2017, 2019 and 2026 Global Industrial Enzymes Market Share (%) in Paper & Pulp by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 35: Global Industrial Enzymes Market Analysis (2017-2026) in Nutraceuticals Market Analysis (2017-2026) by Geographic Region – North America, Europe, Asia-

Pacific, South America and Rest of World in USD Million

Chart 36: Glance at 2017, 2019 and 2026 Global Industrial Enzymes Market Share (%) in Nutraceuticals by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 37: Global Industrial Enzymes Market Analysis (2017-2026) in Waste Treatment by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million

Chart 38: Glance at 2017, 2019 and 2026 Global Industrial Enzymes Market Share (%) in Waste Treatment by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World

PART B: REGIONAL MARKET PERSPECTIVE

Chart 39: Global Industrial Enzymes Market Analysis (2017-2026) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million

Chart 40: Glance at 2017, 2019 and 2026 Global Industrial Enzymes Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World

REGIONAL MARKET OVERVIEW

NORTH AMERICA

Chart 41: North American Industrial Enzymes Market Analysis (2017-2026) by Geographic Region – The United States, Canada and Mexico in USD Million

Chart 42: Glance at 2017, 2019 and 2026 North American Industrial Enzymes Market Share (%) by Geographic Region – The United States, Canada and Mexico

Chart 43: North American Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 44: Glance at 2017, 2019 and 2026 North American Industrial Enzymes Market Share (%) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 45: North American Carbohydrases Market Analysis (2017-2026) by Geographic Region – The United States, Canada and Mexico in USD Million

Chart 46: Glance at 2017, 2019 and 2026 North American Carbohydrases Market Share (%) by Geographic Region – The United States, Canada and Mexico

Chart 47: North American Proteases Market Analysis (2017-2026) by Geographic Region – The United States, Canada and Mexico in USD Million

Chart 48: Glance at 2017, 2019 and 2026 North American Proteases Market Share (%) by Geographic Region – The United States, Canada and Mexico

Chart 49: North American Lipases Market Analysis (2017-2026) by Geographic Region – The United States, Canada and Mexico in USD Million

Chart 50: Glance at 2017, 2019 and 2026 North American Lipases Market Share (%) by Geographic Region – The United States, Canada and Mexico

Chart 51: North American Phytases Market Analysis (2017-2026) by Geographic Region – The United States, Canada and Mexico in USD Million

Chart 52: Glance at 2017, 2019 and 2026 North American Phytases Market Share (%) by Geographic Region – The United States, Canada and Mexico

Chart 53: North American Polymerases & Nucleases Market Analysis (2017-2026) by Geographic Region – The United States, Canada and Mexico in USD Million

Chart 54: Glance at 2017, 2019 and 2026 North American Polymerases & Nucleases Market Share (%) by Geographic Region – The United States, Canada and Mexico

Chart 55: North American Other Industrial Enzymes by Geographic Region – The United States, Canada and Mexico in USD Million

Chart 56: Glance at 2017, 2019 and 2026 North American Other Industrial Enzymes Market Share (%) by Geographic Region – The United States, Canada and Mexico

Chart 57: North American Industrial Enzymes Market Analysis (2017-2026) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 58: Glance at 2017, 2019 and 2026 North American Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

Chart 59: North American Industrial Enzymes Market Analysis (2017-2026) in Food & Beverages by Geographic Region – The United States, Canada and Mexico in USD Million

Chart 60: Glance at 2017, 2019 and 2026 North American Industrial Enzymes Market Share (%) in Food & Beverages by Geographic Region – The United States, Canada and Mexico

Chart 61: North American Industrial Enzymes Market Analysis (2017-2026) in Household Care by Geographic Region – The United States, Canada and Mexico in USD Million

Chart 62: Glance at 2017, 2019 and 2026 North American Industrial Enzymes Market Share (%) in Household Care by Geographic Region – The United States, Canada and Mexico

Chart 63: North American Industrial Enzymes Market Analysis (2017-2026) in Animal Feed by Geographic Region – The United States, Canada and Mexico in USD Million

Chart 64: Glance at 2017, 2019 and 2026 North American Industrial Enzymes Market Share (%) in Animal Feed by Geographic Region – The United States, Canada and Mexico

Chart 65: North American Industrial Enzymes Market Analysis (2017-2026) in Biofuels by Geographic Region – The United States, Canada and Mexico in USD Million

Chart 66: Glance at 2017, 2019 and 2026 North American Industrial Enzymes Market Share (%) in Biofuels by Geographic Region – The United States, Canada and Mexico

Chart 67: North American Industrial Enzymes Market Analysis (2017-2026) in Textiles & Leather by Geographic Region – The United States, Canada and Mexico in USD Million

Chart 68: Glance at 2017, 2019 and 2026 North American Industrial Enzymes Market Share (%) in Textiles & Leather by Geographic Region – The United States, Canada and Mexico

Chart 69: North American Industrial Enzymes Market Analysis (2017-2026) in Personal Care & Cosmetics by Geographic Region – The United States, Canada and Mexico in USD Million

Chart 70: Glance at 2017, 2019 and 2026 North American Industrial Enzymes Market Share (%) in Personal Care & Cosmetics by Geographic Region – The United States, Canada and Mexico

Chart 71: North American Industrial Enzymes Market Analysis (2017-2026) in Paper & Pulp by Geographic Region – The United States, Canada and Mexico in USD Million

Chart 72: Glance at 2017, 2019 and 2026 North American Industrial Enzymes Market Share (%) in Paper & Pulp by Geographic Region – The United States, Canada and Mexico

Chart 73: North American Industrial Enzymes Market Analysis (2017-2026) in Nutraceuticals by Geographic Region – The United States, Canada and Mexico in USD Million

Chart 74: Glance at 2017, 2019 and 2026 North American Industrial Enzymes Market Share (%) in Nutraceuticals by Geographic Region – The United States, Canada and Mexico

Chart 75: North American Industrial Enzymes Market Analysis (2017-2026) in Waste Treatment by Geographic Region – The United States, Canada and Mexico in USD Million

Chart 76: Glance at 2017, 2019 and 2026 North American Industrial Enzymes Market Share (%) in Waste Treatment by Geographic Region – The United States, Canada and Mexico

The United States

Chart 77: United States Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 78: Glance at 2017, 2019 and 2026 United States Industrial Enzymes Market Share (%) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 79: United States Industrial Enzymes Market Analysis (2017-2026) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 80: Glance at 2017, 2019 and 2026 United States Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

Canada

Chart 81: Canadian Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 82: Glance at 2017, 2019 and 2026 Canadian Industrial Enzymes Market Share (%) by Product Segment –Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 83: Canadian Industrial Enzymes Market Analysis (2017-2026) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 84: Glance at 2017, 2019 and 2026 Canadian Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

Mexico

Chart 85: Mexican Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 86: Glance at 2017, 2019 and 2026 Mexican Industrial Enzymes Market Share (%) by Product Segment –Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 87: Mexican Industrial Enzymes Market Analysis (2017-2026) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 88: Glance at 2017, 2019 and 2026 Mexican Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

EUROPE

Chart 89: European Industrial Enzymes Market Analysis (2017-2026) by Geographic Region – Germany, France, United Kingdom, Italy, Spain and Rest of Europe in USD Million

Chart 90: Glance at 2017, 2019 and 2026 European Industrial Enzymes Market Share (%) by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe

Chart 91: European Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 92: Glance at 2017, 2019 and 2026 European Industrial Enzymes Market Share (%) by Product Segment –Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 93: European Carbohydrases Market Analysis (2017-2026) by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe in USD Million

Chart 94: Glance at 2017, 2019 and 2026 European Carbohydrases Market Share (%) by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe

Chart 95: European Proteases Market Analysis (2017-2026) by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe in USD Million

Chart 96: Glance at 2017, 2019 and 2026 European Proteases Market Share (%) by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe

Chart 97: European Lipases Market Analysis (2017-2026) by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe in USD Million

Chart 98: Glance at 2017, 2019 and 2026 European Lipases Market Share (%) by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe

Chart 99: European Phytases Market Analysis (2017-2026) by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe in USD Million

Chart 100: Glance at 2017, 2019 and 2026 European Phytases Market Share (%) by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe

Chart 101: European Polymerases & Nucleases Market Analysis (2017-2026) by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe in USD Million

Chart 102: Glance at 2017, 2019 and 2026 European Polymerases & Nucleases Market Share (%) by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe

Chart 103: European Other Industrial Enzymes Market Analysis (2017-2026) by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe in USD Million

Chart 104: Glance at 2017, 2019 and 2026 European Other Industrial Enzymes Market Share (%) by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe

Chart 105: European Industrial Enzymes Market Analysis (2017-2026) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 106: Glance at 2017, 2019 and 2026 European Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

Chart 107: European Industrial Enzymes Market Analysis (2017-2026) in Food & Beverages by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe in USD Million

Chart 108: Glance at 2017, 2019 and 2026 European Industrial Enzymes Market Share (%) in Food & Beverages by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe

Chart 109: European Industrial Enzymes Market Analysis (2017-2026) in Household Care by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe in USD Million

Chart 110: Glance at 2017, 2019 and 2026 European Industrial Enzymes Market Share (%) in Household Care by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe

Chart 111: European Industrial Enzymes Market Analysis (2017-2026) in Animal Feed by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe in USD Million

Chart 112: Glance at 2017, 2019 and 2026 European Industrial Enzymes Market Share (%) in Animal Feed by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe

Chart 113: European Industrial Enzymes Market Analysis (2017-2026) in Biofuels by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe in USD Million

Chart 114: Glance at 2017, 2019 and 2026 European Industrial Enzymes Market Share (%) in Biofuels by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe

Chart 115: European Industrial Enzymes Market Analysis (2017-2026) in Textiles &

Leather by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe in USD Million

Chart 116: Glance at 2017, 2019 and 2026 European Industrial Enzymes Market Share (%) in Textiles & Leather by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe

Chart 117: European Industrial Enzymes Market Analysis (2017-2026) in Personal Care & Cosmetics by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe in USD Million

Chart 118: Glance at 2017, 2019 and 2026 European Industrial Enzymes Market Share (%) in Personal Care & Cosmetics by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe

Chart 119: European Industrial Enzymes Market Analysis (2017-2026) in Paper & Pulp by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe in USD Million

Chart 120: Glance at 2017, 2019 and 2026 European Industrial Enzymes Market Share (%) in Paper & Pulp by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe

Chart 121: European Industrial Enzymes Market Analysis (2017-2026) in Nutraceuticals by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe in USD Million

Chart 122: Glance at 2017, 2019 and 2026 European Industrial Enzymes Market Share (%) in Nutraceuticals by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe

Chart 123: European Industrial Enzymes Market Analysis (2017-2026) in Waste Treatment by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe in USD Million

Chart 124: Glance at 2017, 2019 and 2026 European Industrial Enzymes Market Share (%) in Waste Treatment by Geographic Region – Germany, France, The United Kingdom, Italy, Spain and Rest of Europe

Germany

Chart 125: German Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 126: Glance at 2017, 2019 and 2026 German Industrial Enzymes Market Share (%) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 127: German Industrial Enzymes Market Analysis (2017-2026) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in

USD Million

Chart 128: Glance at 2017, 2019 and 2026 German Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

France

Chart 129: French Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 130: Glance at 2017, 2019 and 2026 French Industrial Enzymes Market Share (%) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 131: French Industrial Enzymes Market Analysis (2017-2026) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 132: Glance at 2017, 2019 and 2026 French Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

The United Kingdom

Chart 133: United Kingdom Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 134: Glance at 2017, 2019 and 2026 United Kingdom Industrial Enzymes Market Share (%) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 135: United Kingdom Industrial Enzymes Market Analysis (2017-2026) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 136: Glance at 2017, 2019 and 2026 United Kingdom Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

Italy

Chart 137: Italian Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 138: Glance at 2017, 2019 and 2026 Italian Industrial Enzymes Market Share (%) by Product Segment –Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 139: Italian Industrial Enzymes Market Analysis (2017-2026) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 140: Glance at 2017, 2019 and 2026 Italian Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

Spain

Chart 141: Spanish Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 142: Glance at 2017, 2019 and 2026 Spanish Industrial Enzymes Market Share (%) by Product Segment –Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 143: Spanish Industrial Enzymes Market Analysis (2017-2026) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 144: Glance at 2017, 2019 and 2026 Spanish Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

Rest of Europe

Chart 145: Rest of Europe Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 146: Glance at 2017, 2019 and 2026 Rest of Europe Industrial Enzymes Market Share (%) by Product Segment –Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 147: Rest of Europe Industrial Enzymes Market Analysis (2017-2026) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 148: Glance at 2017, 2019 and 2026 Rest of Europe Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care,

Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

ASIA-PACIFIC

Chart 149: Asia-Pacific Industrial Enzymes Market Analysis (2017-2026) by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific in USD million

Chart 150: Glance at 2017, 2019 and 2026 Asia-Pacific Industrial Enzymes Market Share (%) by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific

Chart 151: Asia-Pacific Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 152: Glance at 2017, 2019 and 2026 Asia-Pacific Industrial Enzymes Market Share (%) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 153: Asia-Pacific Carbohydrases Market Analysis (2017-2026) by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific in USD Million

Chart 154: Glance at 2017, 2019 and 2026 Asia-Pacific Carbohydrases Market Share (%) by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific

Chart 155: Asia-Pacific Proteases Market Analysis (2017-2026) by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific in USD Million

Chart 156: Glance at 2017, 2019 and 2026 Asia-Pacific Proteases Market Share (%) by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific

Chart 157: Asia-Pacific Lipases Market Analysis (2017-2026) by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific in USD Million

Chart 158: Glance at 2017, 2019 and 2026 Asia-Pacific Lipases Market Share (%) by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific

Chart 159: Asia-Pacific Phytases Market Analysis (2017-2026) by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific in USD Million

Chart 160: Glance at 2017, 2019 and 2026 Asia-Pacific Phytases Market Share (%) by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific

Chart 161: Asia-Pacific Polymerases & Nucleases Market Analysis (2017-2026) by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific in USD Million

Chart 162: Glance at 2017, 2019 and 2026 Asia-Pacific Polymerases & Nucleases Market Share (%) by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific

Chart 163: Asia-Pacific Other Industrial Enzymes Market Analysis (2017-2026) by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific in USD Million

Chart 164: Glance at 2017, 2019 and 2026 Asia-Pacific Other Industrial Enzymes Market Share (%) by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific

Chart 165: Asia-Pacific Industrial Enzymes Market Analysis (2017-2026) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 166: Glance at 2017, 2019 and 2026 Asia-Pacific Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

Chart 167: Asia-Pacific Industrial Enzymes Market Analysis (2017-2026) in Food & Beverages by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific in USD Million

Chart 168: Glance at 2017, 2019 and 2026 Asia-Pacific Industrial Enzymes Market Share (%) in Food & Beverages by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific

Chart 169: Asia-Pacific Industrial Enzymes Market Analysis (2017-2026) in Household Care by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific in USD Million

Chart 170: Glance at 2017, 2019 and 2026 Asia-Pacific Industrial Enzymes Market Share (%) in Household Care by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific

Chart 171: Asia-Pacific Industrial Enzymes Market Analysis (2017-2026) in Animal Feed by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific in USD Million

Chart 172: Glance at 2017, 2019 and 2026 Asia-Pacific Industrial Enzymes Market Share (%) in Animal Feed by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific

Chart 173: Asia-Pacific Industrial Enzymes Market Analysis (2017-2026) in Biofuels by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific in USD Million

Chart 174: Glance at 2017, 2019 and 2026 Asia-Pacific Industrial Enzymes Market Share (%) in Biofuels by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific

Chart 175: Asia-Pacific Industrial Enzymes Market Analysis (2017-2026) in Textiles & Leather by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific in USD Million

Chart 176: Glance at 2017, 2019 and 2026 Asia-Pacific Industrial Enzymes Market

Share (%) in Textiles & Leather by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific

Chart 177: Asia-Pacific Industrial Enzymes Market Analysis (2017-2026) in Personal Care & Cosmetics by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific in USD Million

Chart 178: Glance at 2017, 2019 and 2026 Asia-Pacific Industrial Enzymes Market Share (%) in Personal Care & Cosmetics by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific

Chart 179: Asia-Pacific Industrial Enzymes Market Analysis (2017-2026) in Paper & Pulp by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific in USD Million

Chart 180: Glance at 2017, 2019 and 2026 Asia-Pacific Industrial Enzymes Market Share (%) in Paper & Pulp by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific

Chart 181: Asia-Pacific Industrial Enzymes Market Analysis (2017-2026) in Nutraceuticals by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific in USD Million

Chart 182: Glance at 2017, 2019 and 2026 Asia-Pacific Nutraceuticals Market Share (%) by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific

Chart 183: Asia-Pacific Industrial Enzymes Market Analysis (2017-2026) in Waste Treatment by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific in USD Million

Chart 184: Glance at 2017, 2019 and 2026 Asia-Pacific Industrial Enzymes Market Share (%) in Waste Treatment by Geographic Region – Japan, China, India, South Korea and Rest of Asia-Pacific

Japan

Chart 185: Japanese Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 186: Glance at 2017, 2019 and 2026 Japanese Industrial Enzymes Market Share (%) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 187: Japanese Industrial Enzymes Market Analysis (2017-2026) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 188: Glance at 2017, 2019 and 2026 Japanese Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp

and Waste Treatment

China

Chart 189: Chinese Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 190: Glance at 2017, 2019 and 2026 Chinese Industrial Enzymes Market Share (%) by Product Segment –Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 191: Chinese Industrial Enzymes Market Analysis (2017-2026) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 192: Glance at 2017, 2019 and 2026 Chinese Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

India

Chart 193: Indian Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 194: Glance at 2017, 2019 and 2026 Indian Industrial Enzymes Market Share (%) by Product Segment –Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 195: Indian Industrial Enzymes Market Analysis (2017-2026) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 196: Glance at 2017, 2019 and 2026 Indian Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

South Korea

Chart 197: South Korean Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 198: Glance at 2017, 2019 and 2026 South Korean Industrial Enzymes Market Share (%) by Product Segment –Carbohydrases, Proteases, Lipases, Phytases, Polymerases & nucleases and Others

Chart 199: South Korean Industrial Enzymes Market Analysis (2017-2026) by

Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 200: Glance at 2017, 2019 and 2026 South Korean Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

Rest of Asia-Pacific

Chart 201: Rest of Asia-Pacific Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 202: Glance at 2017, 2019 and 2026 Rest of Asia-Pacific Industrial Enzymes Market Share (%) by Product Segment –Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 203: Rest of Asia-Pacific Industrial Enzymes Market Analysis (2017-2026) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 204: Glance at 2017, 2019 and 2026 Rest of Asia-Pacific Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

SOUTH AMERICA

Chart 205: South American Industrial Enzymes Market Analysis (2017-2026) by Geographic Region – Brazil, Argentina and Rest of South America in USD Million

Chart 206: Glance at 2017, 2019 and 2026 South American Industrial Enzymes Market Share (%) by Geographic Region – Brazil, Argentina and Rest of South America

Chart 207: South American Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 208: Glance at 2017, 2019 and 2026 South American Industrial Enzymes Market Share (%) by Product Segment –Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 209: South American Carbohydrases Market Analysis (2017-2026) by Geographic Region – Brazil, Argentina and Rest of South America in USD Million

Chart 210: Glance at 2017, 2019 and 2026 South American Carbohydrases Market Share (%) by Geographic Region – Brazil, Argentina and Rest of South America

Chart 211: South American Proteases Market Analysis (2017-2026) by Geographic Region – Brazil, Argentina and Rest of South America in USD Million

Chart 212: Glance at 2017, 2019 and 2026 South American Proteases Market Share (%) by Geographic Region – Brazil, Argentina and Rest of South America

Chart 213: South American Lipases Market Analysis (2017-2026) by Geographic Region – Brazil, Argentina and Rest of South America in USD Million

Chart 214: Glance at 2017, 2019 and 2026 South American Lipases Market Share (%) by Geographic Region – Brazil, Argentina and Rest of South America

Chart 215: South American Phytases Market Analysis (2017-2026) by Geographic Region – Brazil, Argentina and Rest of South America in USD Million

Chart 216: Glance at 2017, 2019 and 2026 South American Phytases Market Share (%) by Geographic Region – Brazil, Argentina and Rest of South America

Chart 217: South American Polymerases & Nucleases Market Analysis (2017-2026) by Geographic Region – Brazil, Argentina and Rest of South America in USD Million

Chart 218: Glance at 2017, 2019 and 2026 South American Polymerases & Nucleases Market Share (%) by Geographic Region – Brazil, Argentina and Rest of South America

Chart 219: South American Other Industrial Enzymes Market Analysis (2017-2026) by Geographic Region – Brazil, Argentina and Rest of South America in USD Million

Chart 220: Glance at 2017, 2019 and 2026 South American Other Industrial Enzymes Market Share (%) by Geographic Region – Brazil, Argentina and Rest of South America

Chart 221: South American Industrial Enzymes Market Analysis (2017-2026) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 222: Glance at 2017, 2019 and 2026 South American Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

Chart 223: South American Industrial Enzymes Market Analysis (2017-2026) in Food & Beverages by Geographic Region – Brazil, Argentina and Rest of South America in USD Million

Chart 224: Glance at 2017, 2019 and 2026 South American Industrial Enzymes Market Share (%) in Food & Beverages by Geographic Region – Brazil, Argentina and Rest of South America

Chart 225: South American Industrial Enzymes Market Analysis (2017-2026) in Household Care by Geographic Region – Brazil, Argentina and Rest of South America in USD Million

Chart 226: Glance at 2017, 2019 and 2026 South American Industrial Enzymes Market Share (%) in Household Care by Geographic Region – Brazil, Argentina and Rest of South America

Chart 227: South American Industrial Enzymes Market Analysis (2017-2026) in Animal

Feed by Geographic Region – Brazil, Argentina and Rest of South America in USD Million

Chart 228: Glance at 2017, 2019 and 2026 South American Industrial Enzymes Market Share (%) in Animal Feed by Geographic Region – Brazil, Argentina and Rest of South America

Chart 229: South American Industrial Enzymes Market Analysis (2017-2026) in Biofuels by Geographic Region – Brazil, Argentina and Rest of South America in USD Million

Chart 230: Glance at 2017, 2019 and 2026 South American Industrial Enzymes Market Share (%) in Biofuels by Geographic Region – Brazil, Argentina and Rest of South America

Chart 231: South American Industrial Enzymes Market Analysis (2017-2026) in Textiles & Leather by Geographic Region – Brazil, Argentina and Rest of South America in USD Million

Chart 232: Glance at 2017, 2019 and 2026 South American Industrial Enzymes Market Share (%) in Textiles & Leather by Geographic Region – Brazil, Argentina and Rest of South America

Chart 233: South American Industrial Enzymes Market Analysis (2017-2026) in Personal Care & Cosmetics by Geographic Region – Brazil, Argentina and Rest of South America in USD Million

Chart 234: Glance at 2017, 2019 and 2026 South American Industrial Enzymes Market Share (%) in Personal Care & Cosmetics by Geographic Region – Brazil, Argentina and Rest of South America

Chart 235: South American Industrial Enzymes Market Analysis (2017-2026) in Paper & Pulp by Geographic Region – Brazil, Argentina and Rest of South America in USD Million

Chart 236: Glance at 2017, 2019 and 2026 South American Industrial Enzymes Market Share (%) in Paper & Pulp by Geographic Region – Brazil, Argentina and Rest of South America

Chart 237: South American Industrial Enzymes Market Analysis (2017-2026) in Nutraceuticals by Geographic Region – Brazil, Argentina and Rest of South America in USD Million

Chart 238: Glance at 2017, 2019 and 2026 South American Industrial Enzymes Market Share (%) in Nutraceuticals by Geographic Region – Brazil, Argentina and Rest of South America

Chart 239: South American Industrial Enzymes Market Analysis (2017-2026) in Waste Treatment by Geographic Region – Brazil, Argentina and Rest of South America in USD Million

Chart 240: Glance at 2017, 2019 and 2026 South American Industrial Enzymes Market Share (%) in Waste Treatment by Geographic Region – Brazil, Argentina and Rest of

South America

Brazil

Chart 241: Brazilian Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 242: Glance at 2017, 2019 and 2026 Brazilian Industrial Enzymes Market Share (%) by Product Segment –Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 243: Brazilian Industrial Enzymes Market Analysis (2017-2026) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 244: Glance at 2017, 2019 and 2026 Brazilian Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

Argentina

Chart 245: Argentinean Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 246: Glance at 2017, 2019 and 2026 Argentinean Industrial Enzymes Market Share (%) by Product Segment –Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 247: Argentinean Industrial Enzymes Market Analysis (2017-2026) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 248: Glance at 2017, 2019 and 2026 Argentinean Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

Rest of South America

Chart 249: Rest of South America Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 250: Glance at 2017, 2019 and 2026 Rest of South America Industrial Enzymes Market Share (%) by Product Segment –Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 251: Rest of South America Industrial Enzymes Market Analysis (2017-2026) by

Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 252: Glance at 2017, 2019 and 2026 Rest of South America Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

REST OF WORLD

Chart 253: Rest of Rest of World Industrial Enzymes Market Analysis (2017-2026) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others in USD Million

Chart 254: Glance at 2017, 2019 and 2026 Rest of Rest of World Industrial Enzymes Market Share (%) by Product Segment – Carbohydrases, Proteases, Lipases, Phytases, Polymerases & Nucleases and Others

Chart 255: Rest of Rest of World Industrial Enzymes Market Analysis (2017-2026) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment in USD Million

Chart 256: Glance at 2017, 2019 and 2026 Rest of Rest of World Industrial Enzymes Market Share (%) by Application Segment – Food & Beverages, Biofuels, Household Care, Animal Feed, Personal Care & Cosmetics, Nutraceuticals, Textiles & Leather, Paper & Pulp and Waste Treatment

Figure 1: Year-over-Year (2019-2020) Projection for Industrial Enzymes Demand by Application

Table 1: List of various industrial enzymes and their major industrial applications

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